

• December 29, 1966

To: [REDACTED]

From: [REDACTED]

Subject: Outline of Hardware Specifications

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[REDACTED] asked me to send a draft copy of our hardware specifications outline to you for review. This outline is based primarily upon Air Force Systems Command Manual (AFSCM) 375-1 which has as its cover title "Configuration Management During Definition and Acquisition Phases". Specifically, the outline closely follows Exhibit II of AFSCM 375-1 entitled "Preparation of Contract End Item Detail Specifications (Prime Equipment)" with those paragraphs only applicable to the Air Force left out.

Section 4 of our specifications outline expands upon Exhibit II of AFSCM 375-1 to include provisions for both Acceptance Tests and Qualification Tests (either or both as each hardware item requires), in order to make them more applicable for procurement usage.

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BJW/cas
Attachment

DECLASS REVIEW by NIMA/DOD

DRAFT OF

HARDWARE SPECIFICATION OUTLINE

1. SCOPE
2. APPLICABLE DOCUMENTS
3. REQUIREMENTS
 - 3.1 Performance (what the device does)
 - 3.2 Operability
 - 3.2.1 Reliability
 - 3.2.2 Maintainability
 - 3.2.3 Availability
 - 3.2.4 Environmental (operating and storage, temperature, humidity, pressure, shock and vibration)
 - 3.2.5 Transportability (as applicable)
 - 3.2.6 Human Performance
 - 3.2.7 Safety
 - 3.3 Interface Requirements
 - 3.3.1 Power
 - 3.3.- Others, as required
 - 3.4 Component Identification (as required)
 - 3.5 Design and Construction (as applicable)
 - 3.5.1 General Design Features (configuration, size, weight, controls, etc.)
 - 3.5.2 Service and Access
 - 3.5.3 Standard and Commercial Parts
 - 3.5.4 Moisture and Fungus Resistance (as applicable)
 - 3.5.5 Corrosion of Metal Parts
 - 3.5.6 Interchangeability and Replaceability
 - 3.5.7 Workmanship
 - 3.5.8 Electromagnetic Interference
 - 3.5.9 Identification and Marking
4. QUALITY ASSURANCE PROVISIONS
 - 4.1 Acceptance Tests (Those requirements to be verified on each deliverable item.)
 - 4.1.1 Acceptance Test Plan
 - 4.1.2 Inspections
 - 4.1.3 Demonstrations and Tests
 - 4.2 Analyses (Those requirements that will be verified on the basis of analytical data.)
 - 4.3 Qualification Tests (Those requirements that will be verified only once to show the suitability of the equipment design.)
 - 4.3.1 Qualification Test Plan
 - 4.3.2 Inspections
 - 4.3.3 Demonstrations and Tests
5. PREPARATION FOR DELIVERY
6. NOTES

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This checklist discussed w/ [redacted] on 1/13/67 - OK.
as a check list providing maintenance & operation manuals, STATINTL
installation requirements & spare parts considerations are added.
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So, the list is being sent that he would pass the work along to
[redacted] who is actually doing the specs.